TRENDnET®

Quick Installation Guide

TEW-651BR

1.02

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Package Contents

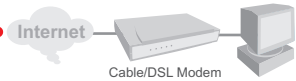
- TEW-651BR
- Multi-Language Quick Installation Guide
- CD-ROM (User's Guide)
- Cat. 5 Ethernet Cable (1.5m/4.9ft)
- AC Power Adapter (5V DC, 1.2A)

System Requirements

- A computer with a wired or wireless network adapter properly installed
- Web Browser: Internet Explorer (5.0 or higher)
- Broadband Internet
- Installed Cable or DSL Modem

Note: Gather all information related to your Internet Connection before you start. If necessary, contact your Internet Service Provider (ISP).

1. Verify that you have an Internet connection when connecting your computer directly to the Cable or DSL modem. Open your browser (e.g. Internet Explorer) and type in a URL (e.g. http://www.trendnet.com) in the address bar.



2. Connect one end of a RJ-45 cable to the TEW-651BR's WAN port. Connect the other end of the cable to your modem.

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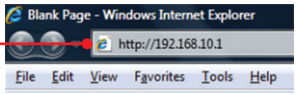
4. Connect the AC Power Adapter to the wireless router and then to a power outlet.

5. Verify that the following panel lights are on: **Power, LAN, WAN** and **WLAN.**

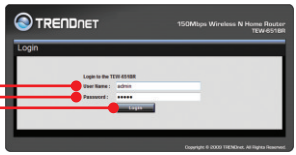
Note: It is recommended that you configure the Wireless Router from a wired computer.

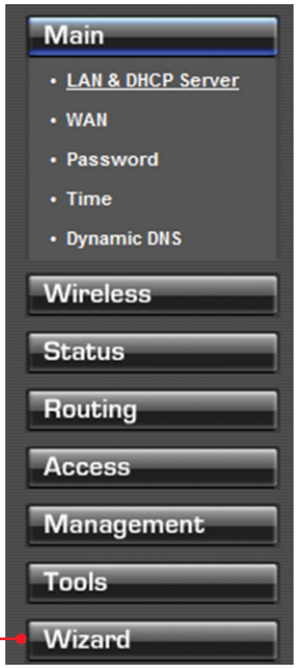
1. Open your web browser, type **http://192.168.10.1** in the Address bar, and then press **Enter**.



2. Enter the **User Name** and **Password**, and then click **Log In**.

User Name: admin
Password: admin

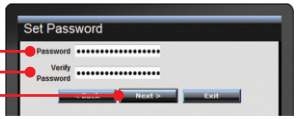




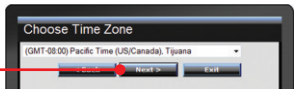
3. The Wizard will automatically appear. Click **Wizard** if the Wizard does not automatically appear.

4. Click **Next.**

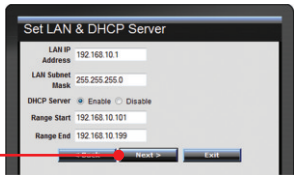
5. Enter a **Password**, verify the **Password** and then click **Next**. By default, the **Password** is **admin**.



6. Select your Time Zone and then click **Next**.

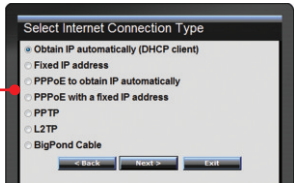


7. Click **Next**. Note: Do not change default settings unless it is conflicting with your existing hardware.



8. Configure the settings based on information provided by your ISP. Follow the wizard instructions to complete the configuration.

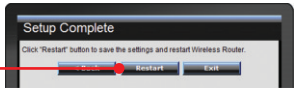
Note: Each Internet Connection type may have different options.



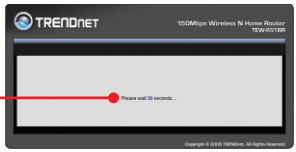
9. Click **Next.**

Note: It is recommended that you enable encryption on the wireless router. Please refer to the User Guide on the User's Guide CD-ROM for information on setting up encryption on the wireless router.

10. Click **Restart**.



11. Wait 30 seconds while the router reboots.



12. Open up your browser and enter in a URL (e.g. www.trendnet.com) to verify that you have Internet connection.

Your configuration is now complete

For detailed information regarding the **TEW-651BR** configuration and advanced settings, please refer to User's Guide included on the Utility CD-ROM, or TRENDnet's website at http://www.trendnet.com.

Register Your Product

To ensure the highest level of customer service and support, please take a moment to register your product Online at: **www.trendnet.com/register**

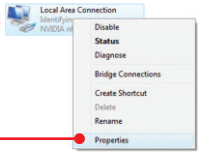
Thank you for choosing TRENDnet

I typed http://192.168.10.1 in my Internet Browser's Address Bar, but an error message says "The page cannot be displayed." How can I get into the TEW-651BR's web configuration page?

1. Check your hardware settings again by following the instructions in Section 2.
2. Make sure the LAN and WLAN lights are lit.
3. Make sure your TCP/IP settings are set to **Obtain an IP address automatically** (see the steps below).
4. Press on the factory reset button for 15 seconds.

Windows 7

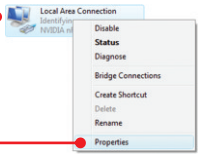
1. Go into the **Control Panel**, click **Network and Sharing Center**, click **Change Adapter Settings** and then right-click the **Local Area Connection** icon and then click **Properties**.



2. Click **Internet Protocol Version 4(TCP/IPv4)** and then click **Properties.** Then click on **Obtain an IP address automatically.**

Windows Vista

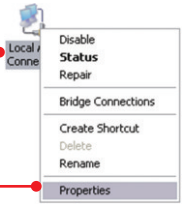
1. Go into the **Control Panel**, click **Network and Internet**, click **Network and Sharing Center**, click **Manage Network Connections** and then right-click the **Local Area Connection** icon and then click **Properties**.



2. Click **Internet Protocol Version 4(TCP/IPv4)** and then click **Properties.** Then click on **Obtain an IP address automatically.**

Windows XP/2000

1. Go into the **Control Panel**, double-click the **Network Connections** icon and then right-click the **Local Area Connection** icon and then click **Properties**.



2. Click **Internet Protocol (TCP/IP)** and then click **Properties. Then** click on **Obtain an IP address automatically.**

I am not sure what type of Internet Account Type I have for my Cable/DSL connection. How do I find out?

Contact your Internet Service Provider's (ISP) support service for the correct information.

The Wizard does not appear. What should I do?

1. Click on Wizard on the left hand side.
2. Near the top of the browser, "Pop-up blocked" message may appear. Right click on the message and select Always Allow Pop-ups from This Site.
3. Disable your browser's pop up blocker.

I went through the Wizard, but I can not get onto the Internet. What should I do?

1. Verify that you can get onto the Internet with a direct connection into your modem.
2. Contact your ISP and verify all the information that you have in regards to your Internet connection settings is correct.
3. Power cycle your modem and router. Unplug the power to the modem and router. Wait 30 seconds, and then reconnect the power to the modem. Wait for the modem to fully boot up, and then reconnect the power to the router.

I cannot make a wireless connection to the Router. What should I do?

1. Double check that the WLAN light on the Router is lit.
2. Power cycle the TEW-651BR. Unplug the power to the TEW-651BR. Wait 15 seconds, then plug the power back in to the TEW-651BR.
3. Contact the manufacturer of your wireless network adapter and make sure the wireless network adapter is configured with the proper SSID. The preset SSID is TRENDnet651.

If you still encounter problems or have any questions regarding the **TEW-651BR**, please contact TRENDnet's Technical Support Department.

The following are some general wireless tips to help minimize the impact of interference within an environment.

Assign your network a unique SSID

Do not use anything that would be identifying like “Smith Family Network”. Choose something that you would easily identify when searching for available wireless networks.

Do not turn off the SSID broadcast

The SSID broadcast is intended to be on and turning it off can cause connectivity issues. The preferred method of securing a wireless network is to choose a strong form of encryption with a strong and varied encryption key.

Note: after setting up the SSID, encryption type and encryption key/passphrase, please make a note of them for future reference. You will need this information to connect your wireless computers to the wireless router/access point.

Change the channel

Most wireless access points and routers are defaulted to channel 6. If you have a site survey tool that will display the channels you can plan your channel selection around neighboring access points to minimize interference from them. If your site survey tool does not display the channel try using channels 1 or 11.

Change the channel bandwidth

If you are using an 802.11n router or access point you can also make the following changes. Change the channel bandwidth to 20/40MHz. This will provide the highest possible performance using an 802.11n device. Also, if using 802.11n you should be securing the network with WPA2 security.

Note: Due to Wi-Fi certification considerations if you choose WEP, WPA or WPA2-TKIP encryption this device may operate in legacy wireless mode (802.11b/g). You may not get 802.11n performance as these forms of encryption are not supported by the 802.11n specification.

Avoid stacking hardware on top of each other to prevent overheating issues

Maintain enough free space around the hardware for good ventilation and airflow. There should also be plenty of free space around the antennas to allow the wireless signal to propagate. Please also make sure that the wireless hardware is not placed in any type of shelving or enclosures.

There are a number of other environmental factors that can impact the range of wireless devices.

1. Adjust your wireless devices so that the signal is traveling in a straight path, rather than at an angle. The more material the signal has to pass through the more signal you will lose.

2. Keep the number of obstructions to a minimum. Each obstruction can reduce the range of a wireless device. Position the wireless devices in a manner that will minimize the amount of obstructions between them.

3. Building materials can have a large impact on your wireless signal. In an indoor environment, try to position the wireless devices so that the signal passes through less dense material such as dry wall. Dense materials like metal, solid wood, glass or even furniture may block or degrade the signal.

4. Antenna orientation can also have a large impact on your wireless signal. Use the wireless adapter's site survey tool to determine the best antenna orientation for your wireless devices.

5. Interference from devices that produce RF (radio frequency) noise can also impact your signal. Position your wireless devices away from anything that generates RF noise, such as microwaves, HAM radios, Walkie-Talkies and baby monitors.

6. Any device operating on the 2.4GHz frequency will cause interference. Devices such as 2.4GHz cordless phones or other wireless remotes operating on the 2.4GHz frequency can potentially drop the wireless signal. Although the phone may not be in use, the base can still transmit wireless signals. Move the phone's base station as far away as possible from your wireless devices.

If you are still experiencing low or no signal consider repositioning the wireless devices or installing additional access points. The use of higher gain antennas may also provide the necessary coverage depending on the environment.

Declaration of Conformity

Company Information:

Company Name:
TRENDware International, Inc.

Company Address:
20675 Manhattan Place
Torrance, CA 90501
USA

Product Information:

Product Description:
150Mbps Wireless N Home Router

Model Number:
TEW-651BR

Brand name:
TRENDnet

Technical Standards:

EN 300 328 V1.7.1: 10-2006
EN 301 489-1 V1.8.1: 04-2008
EN 301 489-17 V1.3.2: 04-2008
EN 50385: 2002
EN 60950-1: 2006

Declaration:

The product is herewith confirmed to comply with the requirements of Directive 1999/5/EC of the Council (European Parliament) on the radio and telecommunications terminal equipment.

I hereby declare that the products and devices mentioned above are consistent with the standards and provisions of the guidelines.

Sonny Su	Director of Technology
Name (Full Name)	Position / Title
September 15, 2009	
Date	Legal Signature

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Certifications

This equipment has been tested and found to comply with FCC and CE Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received. Including interference that may cause undesired operation.

Waste electrical and electronic products must not be disposed of with household waste. Please recycle where facilities exist. Check with you Local Authority or Retailer for recycling advice.

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